

## CLAIMS:

1. A device (10, 20) for wireless control of a lamp (30), the device comprising:  
– a control interface (4, 6), and

– a body for emitting light, the body comprising at least a first electrode (3, 13)

wherein the control interface (4, 6) is connected to the at least first electrode (3, 13) of the

5 body, and wherein the at least first electrode is used as a first antenna for wireless control of the lamp.

2. A device according to claim 1, wherein the control interface (4) is connected to the at least first electrode (3, 13) through a capacitive circuit (5).

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3. A device according to claim 2, wherein the lamp is a fluorescent lamp (30), and wherein the capacitive circuit (5) is capable of withstanding the ignition voltage necessary to activate the fluorescent lamp.

15 4. A device according to claim 1, wherein the control interface (6) is coupled to the at least first electrode (3, 13) through an inductive coupling (7).

5. A device according to claim 1, wherein the control interface (4, 6) is capable of receiving and/or transmitting a radio frequency (RF) signal via the first antenna.

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6. A device according to claim 1, further including a user control (40) and wherein the user control comprises a second antenna (9) so that signals can be transmitted to the first antenna (3, 13).

25 7. A device according to claim 1, further including a user control (40) and wherein the user control comprises a second antenna (9) so that signals can be received from the first antenna (3, 13).

8. Use of at least a first electrode (3, 13) in a lamp as an antenna for wireless control of the lamp.

9. A method of transmitting and/or receiving signals between a lamp (30) comprising a first antenna (3, 13) and a user unit (40) comprising a second antenna (9), wherein the first antenna is an at least first electrode of the luminous body of the lamp.